



## PRODUCT DATA SHEET

**PRODUCT SERIES:** B7100 SERIES BMC  
**PRODUCT DESCRIPTION:** ELECTRICAL GRADE - UL/CSA RECOGNIZED  
 (UL FILE NO. E84051)

PROPERTIES	GLASS CONTENT 10%		GLASS CONTENT 15%		GLASS CONTENT 22%	
	IMPERIAL	SI	IMPERIAL	SI	IMPERIAL	SI
Impact Strength-Izod Notched Test Method: ASTM D-256	7.0 ft.lb./in.	373 J/m	8.0 ft.lb./in.	417 J/m	10.0 ft.lb./in.	533 J/m
Impact Strength-Izod Unnotched Test Method: ASTM D-4812	9.0 ft.lb./in.	480 J/m	10.0 ft.lb./in.	533 J/m	12.0 ft.lb./in.	640 J/m
Flexural Strength Test Method: ASTM D-790	10,000 psi	69 MPa	12,000 psi	83 MPa	16,000 psi	110 MPa
Tensile Strength Test Method: ASTM D-638	4,000 psi	27.6 MPa	5,000 psi	34 MPa	6,000 psi	41 MPa
Compressive Strength Test Method: ASTM D-695	14,000 psi	97 MPa	16,000 psi	110 MPa	18,000 psi	124 MPa
Water Absorption (24 Hrs @ 23C) Test Method: ASTM D-570	.20 - .30%	.20 - .30%	.20 - .30%	.20 - .30%	.20 - .30%	.20 - .30%
Barcol Hardness Test Method: ASTM D-2583	50 - 60	50 - 60	50 - 60	50 - 60	50 - 60	50 - 60
Heat Distortion Temp @ 264 psi Test Method: ASTM D-648	>400 F	>204 C	>400 F	>204 C	>400 F	>204 C
Specific Gravity (+/- .03) Test Method: ASTM D-792	1.9 - 2.0	1.9 - 2.0	1.9 - 2.0	1.9 - 2.0	1.85 - 1.95	1.85 - 1.95
Shrinkage Test Method: ASTM D-955	.001 - .003 in./in.	.001 - .003 mm/mm.	.001 - .003 in./in.	.001 - .003 mm/mm.	.001 - .003 in./in.	.001 - .003 mm/mm.
Flammability @ 1.47 mm thick Test Method: UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0	UL 94 V0
Ignition Temperature Test Method: UL Method	968 F	520 C	968 F	520 C	968 F	520 C
Oxygen Index Test Method: ASTM D-2863	46.0-50.0	46.0-50.0	46.0-50.0	46.0-50.0	46.0-50.0	46.0-50.0
Arc Resistance Test Method: ASTM D-495	300+	300+	300+	300+	300+	300+
Track Resistance Test Method: Incline Plane	1050+	1050+	1050+	1050+	1050+	1050+
Dielectric Strength (S.T., Perp, VPM) Test Method: ASTM D-149	550	550	550	550	550	550
Comparative Tracking Index (V) Test Method: ASTM D-3638	600+	600+	600+	600+	600+	600+

The information contained herein and in the data sheets is offered as a guide only. Since the values achieved in actual parts depend considerably on the part design and on the conditions of moulding and testing, no guarantee is implied regarding properties to be obtained in specific tests; the user is urged to make his own tests and judge for himself the suitability of the material for his use. Jet Moulding Compounds assumes no liability, either expressed or implied, for infringement of any patent by the manufacture, sale or use of articles moulded from its material.